INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known	
Application Number	10/749,686
Filing Date	12-30-2003
First Named Inventor:	Nikolai G. Nikolov
Art Unit	2171
Examiner Name	Unassigned

Sheet	1	of	2	Attorney Docket Number	6570P043

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number — Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
am		US- 5,748,963	05-05-1998	Orr	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document — Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature	[signature]	Date Considered	6/24/07

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Sheet	2	of	2	Attorney Docket Number	6570P043

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No[1]		T[2]
ℳ		www.w3.org/TR/DOM-Level-2-Core/introduction.html **What is Document Object Model?**, 13 November 2000, pp. 1-7.	
ℳ		www.cafeonleche.orge/books/xmljava/chapters/ch09.html Chapter 9, **The Document Object Model**, 2001, 2002, pp. 1-2.	
ℳ		www.cafeonleche.org/books/xmljava/chapters/ch09s04.html Chapter 9, **The document Object Model, Trees**, 2001, 2002, pp. 1-10.	
ℳ		www.cafeonleche.org/books/xmljava/chapters/ch09s05.html Chapter 9, **The Document Object Model DOM Parsers for Java**, 2001, 2002, pp. 1-3.	
ℳ		www.cafeonleche.org/books/xmljava/chapters/ch09x06.html Chapter 9, **The Document Object Model Parsing documents with a DOM Parser**, 2001, 2002, pp. 1-10.	
ℳ		www.caseonleche.org/books/xmljava/chapters/ch09s09.html Chapter 9, **The Document Object Model JAXP Serialization**, 2001, 2002, pp. 1-3.	

Examiner Signature		Date Considered	6/24/07

Substitute for Form 1449/PTO				**Complete if Known**	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(use as many sheets as necessary)*				Application Number	10/749,686
				Filing Date	December 30, 2003
				First Named Inventor:	Nikolai G. Nikolov
				Art Unit	2161
				Examiner Name	Unassigned
Sheet	1	of	3	Attorney Docket Number	6570.P043

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Document Number — Number-Kind Code²(if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ᶜᵐˢ		US- 7,093,234	08-15-2006	Hibbeler et al.	
ᵃᵐˢ		US- 2002/0170036	11-14-2002	Cobb et al.	
ᵃˢ		US- 2005/0039171 A1	02-17-2005	Avakian et al.	
ᵐˢ		US- 2005/0039187 A1	02-17-2005	Avakian et al.	
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Based on Form PTO/SB/08A (08-03) as modified by BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP on 09/10/03.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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				Complete if Known	
			Application Number	10/749,686	
			Filing Date	December 30, 2003	
			First Named Inventor:	Nikolai G. Nikolov	
			Art Unit	2161	
			Examiner Name	Unassigned	
Sheet	2	**of**	Attorney Docket Number	6570.P043	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
Cm√		GEOFF A. COHEN et al., "**Automatic Program Transformation with JOIE**", Paper, Department of Computer Science, Duke University, 12 pages	
Cm√		ALAN SNYDER, "**The Essence of Objects: Concepts and Terms**", IEEE Software, January 1993, pp. 31-42, Sunsoft, Mountain View	
Cm√		Duke University, "**The Java Object Instrumentation Environment**", www.cs.duke.edu/ari/joie/, last updated May 2003, printed September 28, 2006, 2 pages.	
Cm√		RALPH KELLER et al., "**Supporting the Integration and Evolution of Components Through Binary Component Adaptation**", www.cs.ucsb.edu/oocsb, September 9, 1997, Technical Report TRCS97-15, 12 pages	
Cm√		HAN BOK LEE, "**BIT: Bytecode Instrumenting Tool**" University of Colorado, Department of Computer Science 1997, 51 pages	
Cm√		MARKUS DAHM, "**Welcome to the Byte Code Engineering Library 4.4.1**", http://bcel.sourceforge.net/main.html, last updated 4/12/2002, 2 pages, printed September 28, 2006	
Cm√		Alphaworks, "**Jikes Bytecode Toolkit: Overview**", www.alphaworks.ibm.com/tech/jikesbt, posted March 31, 2000, 2 pages, printed September 28, 2006	

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				First Named Inventor:	Nikolai G. Nikolov	
				Art Unit	2161	
				Examiner Name	Unassigned	
Sheet	3	**of**	3	Attorney Docket Number	6570.P043	

RELATED PATENT APPLICATION INFORMATION

Examiner Initials*	Cite No[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T[2]
(initials)		NIKOLAI NIKOLOV, "**Execution of Modified Byte Code for Debugging, Testing And/Or Monitoring of Object Oriented Software**", Serial number 10/749,617, filed on December 30, 2003, Office Action mailed August 23, 2006. Copy of the Office Action, claims as they stood in the application prior to the mailing of the Office Action and a copy of the claims as they were presented to the PTO in response to the Office Action.	
(initials)		NIKOLAI NIKOLOV, "**Classfile Conversion Into An Organization Of Objects, and Modification Thereof, To Effect Bytecode Modification**", Serial number 10/750,396, Office Action mailed September 5, 2006. Copy of the Office Action, claims as they stood in the application prior to the mailing of the Office Action and a copy of the claims as they were presented to the PTO in response to the Office Action.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet | 1 | of | 1

Complete if Known	
Application Number	10/749,686
Filing Date	12-30-2003
First Named Inventor:	Nikolai G. Nikolov
Art Unit	2173
Examiner Name	Unassigned
Attorney Docket Number	6570P043

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
			Number-Kind Code² (if known)			
ꝏꙷ		US-	6,026,237	02-15-2000	Berry, et al	
ꝏꙷ		US-	6,118,940	09-12-2000	Alexander, et al	
ꝏꙷ		US-	6,381,735	04-30-2002	Hunt	
ꝏꙷ		US-	6,662,359	12-9-2003	Berry, et al.	
ꝏꙷ		US-	6,631,515	10-7-2003	Berstis	
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		Country Code³ Number⁴ Kind Code⁵ (if known)					

Examiner Signature	[signature]	Date Considered	6/24/07

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First Named Inventor:		Nikolai G. Nikolov, et al.	
Art Unit		2171	
Examiner Name		Unassigned	

Sheet	1	of	3	Attorney Docket Number	006570.P043

U.S. PATENT DOCUMENTS

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ᴍᴍ		US- 6,260,187 B1	07-10-2001	CIRNE	
		US-			
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		IAN WELCH, et al., "Kava- A Reflective Java Based on Bytecode Rewriting" SpringerLink –Verlag Berling Heidelberg 2000, Chapter, Lecture Notes in Computer Science, W. Cazzola, et al. Editors, Reflection and Software Engineering, LNCS, pages 155-167.	
		Wily Technology, Inc., Wily Solutions "How Introscope® Works" – Enterprise Application Management, http/www.wilytech.com/solutions/products/howWorks.html, 1999-2004, printed 7/2/2004 (1 page).	
		BEN STEPHENSON, et al., "Characterization and Optimization of Java Applications" Department of Computer Science, Abstract in Western Research Forum Program & Abstracts, page 20, 2003.	
		Wily Technology, Inc., Wily Solutions "Wily Introscope®" – Enterprise Application Management, http://www.wilytech.com/solutions/products/Introscope.html, 1999-2004, printed 7/2/2004 (2 pgs.).	
		Sun Microsystems, Java – J2EE 1.4 Application Server Developer's Guide, "Debugging J2EE Applications" Chapter 4, http://java.sun.com/j2ee/1.4/docs/devguide/dgdebug.html, 2003, printed 7/2/2004 (11 pgs.).	
		Wily Technology, Inc., Wily Technology, Inc., Wily Solutions "The Wily 5 Solution – Enterprise Applications are Your Business", http://www.wilytech.com/solutions/ibm_family.html, 1999-2004, printed 7/2/2004 (2 pgs.)	
		AJAY CHANDER et al., "Mobile Code Security by Java Bytecode Instrumentation", Proceedings of the DARPA Information Survivability Conference & Exposition DISCEX-II 2001, June 12-14, 2001, Stanford University and University of Pennsylvania, [*Partially supported by DARPA contract N66001-00-C-8015 and ONR grant N00014-97-1-0505] (14 pgs.)	
		Mobile-Code Security Mechanisms for Jini – "Mobile-Code Security Mechanisms for Jini" Download code, DISCEX 2001 Paper, http://theory.stanford.edu/people/jcm/software/jinifilter.html, printed 7/2/2004 – (3 pgs.)	
		ALLEN GOLDBERG, et al., "Instrumentation of Java Bytecode for Runtime Analysis", Fifth ECOOP Workshop on Formal Techniques for Java-like Programs, July 21, 2003, Kestrel Technology, NASA Ames Research Center, Moffett Field, California USA, (9 pgs.).	
		ALGIS RUDYS, et al., "Enforcing Java Run-Time Properties Using Bytecode Rewriting", International Symposium on Software Security (Tokyo, Japan), November 2002, Rice University, Houston, TX 77005, USA (16 pgs.).	
		HAN BOK LEE, et al., "BIT: A Tool for Instrumenting Java Bytecodes", originally published in the Proceedings of the USENIX Symposium on Internet Technologies and Systems, Monterey, California, December 1997, www.usenix.org/ (11 pgs.).	

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ᑐᐧᑐᐧ		REINHOLD PLÖSH, Johannes Kepler University Linz, Austria, "**Evaluation of Assertion Support for the Java Programming Language**", JOT: Journal of Object Technology, Vol. 1, No. 3, Special issue: TOOLS USA 2002 Proceedings, pp. 5-17, http://www.jot.fm/issues/issue_2002_08/article1	
ᑐᐧ		ETIENNE GAGNON, et al., "**Effective Inline-Threaded Interpretation of Java Bytecode Using Preparation Sequences**", Sable Research Group, Université du Québec à Montréal and McGill University, Montreal. Canada, January 2003 (15 pgs.).	
ᑐᐧ		GEOFF A. COHEN, et al., Software-Practice and Experience, [Version: 2000/03/06 v2.1] "**An Architecture for Safe Bytecode Insertion**", Department of Computer Science, Duke University (27 pgs.)	
ᑐᐧᑐ		REYNALD AFFELDT, et al., "**Supporting Objects in Run-Time Bytecode Specialization**", Department of Graphics and Computer Science, University of Tokyo, ASIA-PEPM '02, September 12-17, 2002, ACM, pp. 50-60.	
ᑐᐧ		NATHAN MACRIDES, Security Techniques for Mobile Code "**SANS Security Essentials (GSEC) Practical Assignment Version 1.4**", July 11, 2002, (11 pgs.)	
ᑐᐧ		DYLAN McNAMEE, et al., "**Specialization Tools and Techniques for Systematic Optimization of System Software**", Oregon Graduate Institute of Science & Technology, and University of Rennes/IRISA, ACM Transactions on Computer Systems, 2001 (30 pgs.)	
ᑐᐧ		WEN LI, et al., "**Collaboration Transparency in the DISCIPLE Framework**", CAIP Center, Rutgers – The State University of New Jersey, Piscataway, NJ, USA, Proceeding of the ACM International Conference on Supporting Group Work (Group '99) November 14-17, 1999, Phoenix, AZ, (10 pgs.)	
ᑐᐧ		JONATHAN DAVIES, et al., Proceedings of the 2nd international conference on "**An Aspect Oriented Performance Analysis Environment**", 10 pgs., 2003, Boston, Massachusetts March 17 - 21, 2003.	
ᑐᐧ		PETER W. GILL, "**Probing for a Continued Validation Prototype**", a Thesis Submitted to the Faculty of the Worcester Polytechnic Institute, May 2001, (111 pages)	

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